

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1. (Currently Amended) A substrate comprising a plurality of individual fibers having at least one surface, wherein the at least one surface of the plurality of individual fibers ~~have~~ has an admicellar hydrophobic polymer coating thereon, ~~wherein the substrate having the admicellar hydrophobic polymer coating thereon has an air permeability substantially the same as the air permeability of an uncoated substrate,~~ the hydrophobically coated substrate prepared by the process comprising the steps of:

- providing a substrate comprised of a plurality of individual fibers, each of the plurality of individual fibers having at least one surface;
- providing an aqueous hydrophobic coating composition containing a surfactant and a monomer of a hydrophobic polymer;
- providing an initiator;
- coating the at least one surface of the plurality of individual fibers with the aqueous hydrophobic coating composition;

- introducing the initiator into the hydrophobic coating composition disposed on the at least one surface of the plurality of individual fibers; and
- initiating an admicellar polymerization reaction on the at least one surface of the plurality of individual fibers coated with the aqueous hydrophobic coating composition for a predetermined period of time such that a hydrophobic polymer coating forms on the at least one surface of the plurality of individual fibers, wherein the substrate having the admicellar hydrophobic polymer coating thereon has an air permeability substantially the same as the air permeability of an uncoated substrate.

2. (Previously Presented) The substrate of claim 1, wherein the substrate is selected from the group consisting of cloth, burlap, polyesters, paper, cardboard and combinations thereof.

3. (Previously Presented) The substrate of claim 1, wherein the surfactant is selected from the group consisting of sodium dodecyl sulfate, linear alkyl benzene sulfonate, and combinations thereof.

4. (Previously Presented) The substrate of claim 1, wherein the monomer of a hydrophobic polymer is styrene.

5. (Previously Presented) The substrate of claim 1, wherein the initiator is sodium persulfate.

6. (Previously Presented) The substrate of claim 1, wherein the initiator is AIBN.

7. (Previously Presented) The substrate of claim 1, wherein the substrate having the hydrophobic coating composition disposed on the at least one surface of the plurality of individual fibers and the initiator introduced thereon is heated to a temperature of from about 60 degrees Celsius to about 100 degrees Celsius for a predetermined time of from about 30 minutes to about 180 minutes.

8. (Previously Presented) The substrate of claim 7, wherein the substrate having the hydrophobic coating composition disposed on the at least one surface and the initiator introduced thereon is heated to a temperature of 80 degrees Celsius for a predetermined time of 60 minutes.